

*P. 16 }
P. 17 } - line 20
Selected from
to the spec*

~~contacting a material comprising~~ cork with a dense fluid under pressure at a temperature of from 10 to 120°C and at a pressure of from 10 to 600 bars, wherein said dense fluid is in a supercritical state. *to claim said material*

2. (Amended) The process according to claim 1, wherein the contacting is carried out at a temperature of 40 to 80°C and at a pressure of 100 to 300 bars.

Suppl

4. (Twice Amended) The process according to claim 1, further comprising alternately increasing and decreasing the pressure.

5. (Amended) The process according to claim 4, wherein alternatively increasing and decreasing the pressure is carried out with an amplitude of the pressure variation from 10 to 100 bars and time intervals varying from 10 seconds to a few minutes. *10 min or*

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6. (Amended) The process according to claim 1, wherein the dense fluid is at least *Selected from* ~~one chosen from the group~~ consisting of carbon dioxide; sulphur hexafluoride; nitrous oxide; nitrogen monoxide; a light alkane containing 1 to 5 atoms of carbon; an alkene; and an organic liquid. *en*

7. (Twice Amended) The process according to claim 1, wherein the dense fluid ~~under pressure~~ comprises a co-solvent. *further*

8. (Amended) The process according to claim 7, wherein the co-solvent is *Selected* ~~chosen~~ from the group consisting of an aqueous solution; a ketone and mixtures thereof. *Suppl*

9. (Amended) The process according to claim 8, wherein the co-solvent comprises at least one selected from the group consisting of an aqueous buffer; a fungicide; an antibiotic; and an antioxidant. *P. 17*

10. (Twice Amended) The process according to claim 7, wherein the co-solvent is present in the dense fluid (under pressure) in an amount of 0.01 to 10% by weight. *✓*

11. (Amended) The process according to claim 10, wherein the co-solvent is present in the dense fluid ~~(under pressure)~~ in an amount of 0.02 to 1% by weight. ✓

12. (Twice Amended) A process for extraction of organic compounds from a material ~~comprising~~ cork, comprising:

contacting said material with a dense fluid ^{composition} ~~under pressure~~ at a temperature of from 10 to 120°C and at a pressure of from 10 to 600 bars, ~~to remove~~ ^{to remove} said organic compounds ~~wherein the dense fluid under pressure~~ ^{further} comprises a co-solvent, and wherein the dense fluid is in the supercritical state.
 few said material

13. (Amended) The process according to claim 12, wherein said organic compounds are compounds capable of tainting the material with an undesirable taste and/or smell.
 11/2-28

14. (Amended) The process according to claim 12, wherein said organic compounds comprise at least one selected from the group consisting of a (poly)chlorophenol, a phenolic compound, a (poly)chloroanisole, and a compound of anisole.
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15. (Amended) The process according to claim 12, wherein said organic compounds comprise at least one of pentachlorophenol, trichloroanisole or tetrachloroanisole. ✓

16. (Twice Amended) The process according to claim 12, in which the dense fluid ~~under pressure~~ is CO₂ and the co-solvent is an aqueous solution. ✓

17. (Twice Amended) The process according to claim 1, further comprising
 2) separating the dense fluid from one or more extracts obtained after contacting the material with the dense fluid under pressure, and
 3) recycling a gaseous fluid.
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18. (Twice Amended) The process according to claim 1, further comprising:
 chemically or mechanically treating the material before or after contacting with the dense fluid ~~under pressure~~.
 O.K! P. 24 line 15

19. (Twice Amended) The process according to claim 1, further comprising:

shaping the material before or after contacting with the dense fluid ~~(under pressure)~~

20. (Amended) The process according to claim 19, comprising shaping the material into the form of bottle corks, boards or sheets.

23. (Amended) A process for disinfecting or making aseptic a material comprising cork, comprising:

~~disinfecting or making aseptic~~ contacting the material with a dense fluid under pressure ^{fully} comprising a co-solvent, ~~to~~

wherein said dense fluid is in a supercritical state.

24. (Amended) The process according to claim 8, wherein said co-solvent is present in the dense fluid ~~(under pressure)~~ in an amount of 0.01 to 10% by weight.

25. (Amended) The process according to claim 12, further comprising separating the dense fluid from one or more extracts after contacting the material with the dense fluid under pressure, and recycling a gaseous fluid.

26. (Amended) The process according to claim 12, further comprising chemically or mechanically treating the material before or after contacting with the dense fluid ~~under pressure~~.

27. (Amended) The process according to claim 12, further comprising:

shaping the material before or after contact with the dense fluid ~~under pressure~~.

28. (Amended) The process according to claim 27, comprising shaping the material into the form of bottle corks, boards or sheets.

Please add the following new claims: